

METHOD AND APPARATUS FOR GENERATING AN EMERGENT MODEL ON
A COMPUTER NETWORK

ABSTRACT OF THE DISCLOSURE

5 Generation of an emergent model on a computer network comprises generating data objects and/or function objects, publishing references to the data objects and/or the function objects and subscribing to the data objects and/or the functions by creating relationships between the data objects and/or the function objects through referencing data objects and/or function objects within the function objects, thereby linking the data
10 objects and/or the function objects, wherein networks of linked data objects and/or function objects emerge. The emergent linked data objects and/or function objects are made available for further linking with other data objects and/or function objects and messages are sent to referencing data objects and/or function objects when referenced data objects and/or referenced function objects change. The functions are solved when
15 the messages are received. The data objects and/or the function objects are stored in a distributed manner across multiple computing devices on a computer network. The emergent network of linked data objects and/or function objects are independently published to, and subscribed to, in a manner free of a globally predefined network of data objects and/or function objects, thereby generating the emergent model.